

Claims

1. A broadcast data receiver apparatus for receiving and processing data from a number of received data transport streams, said data broadcast from a location remote to the receiver, and said receiver incorporating processing means capable of processing a single stream of data and characterised in that said apparatus incorporates means for receiving said plurality of data transport streams and processing such that each stream is demultiplexed and re-mapped and selected portions of data from said transport streams are multiplexed into a single transport stream of data for subsequent processing in the receiver by the processing means.

2. Broadcast data receiver apparatus according to claim 1 wherein the transport streams of data are received from any or any combination of remote broadcast location or locations and/or from data storage means connected to or incorporated in the receiver and/or other sources connected to or incorporated in the receiver.

3. Broadcast data receiver apparatus according to claim 1 wherein the single transport stream of data which is generated by the multiplexing step includes selected packets of data from the plurality of transport streams of data received.

4. Broadcast data receiver apparatus according to claim 3 wherein the packets of data which are selected are selected automatically as they represent data which is required for the apparatus to operate correctly and/or in response to user selections.

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5. Broadcast data receiver apparatus according to claim 1 wherein data from the plurality of transport streams is selected and said selected data is multiplexed into a single stream, is stored or recorded and/or is discarded in accordance with operating parameters for the receiver apparatus at any instant.

*Sub B9* 6. Broadcast data receiver apparatus according to claim 1 wherein *Said* the data processing means are integrated circuits, which accept one data input stream.

*Sub B9* 7. Broadcast data receiver apparatus according to claim 6 wherein the single transport data stream which is generated is presented to a single input component or components in the receiver for further processing and to allow the data to be used to perform a designated function.

8. Broadcast data receiver apparatus according to claim 7 wherein the designated function is any or any combination of the generation of video displays, audio displays, recording of programmes, playback of recorded programmes, generation of electronic programme guides, linking with internet services, e-mail, interaction with a personal computer, video, and/or other apparatus.

*Sub B9* 9. A method for the generation of a single stream of data for subsequent processing, from received multiple transport streams of data, said method characterised by the steps of receiving a plurality of transport streams of data, demultiplexing the data streams, re-

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mapping the said data and selecting packets of data from the plurality of transport streams in accordance with user and/or receiver apparatus selection criteria, multiplexing the said selected packets of data into a single stream of data, for subsequent processing.

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P1  
10. A method according to claim 9 wherein at least one of the received transport streams of data is broadcast data received from a remote location containing any or any combination of audio, video and auxiliary services data.

Sub  
P2  
11. A method according to claim 9 wherein demultiplexing of the received data from each transport stream is performed in accordance with information transmitted along with the data and identified by the receiver to in turn identify the packets of data.

12. A method according to claim 11 wherein the re-mapping of the data packets identifier takes place under control of the receiver so as to allow the required data to be multiplexed into a single stream and avoid identifier clashes between packets of data from different transport streams.

13. A method according to claim 12 wherein the locally controlled re-mapping of the packet identifiers allows the origin of the data to be subsequently identified in subsequent processing the same.

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